IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jules Olita et al. : January 10, 2007

Serial No.: 10/034,428 : Art Unit 2621

Filed: December 27, 2001 : Examiner: Heather Rae Jones

For: HELMET-MOUNTED THERMAL IMAGING SYSTEM

Commissioner for Patents Mail Stop Amendment PO BOX 1450 Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.131

To The Commissioner:

JULES OLITA, OWEN MEDD and WESLEY SHERIDAN, declare and state the following:

- 1. That we are the joint inventors of the subject invention described and claimed in the above-identified patent application;
- 2. That at all times material hereto, we worked in the employ of Sage Technologies, Ltd. ("Sage"), the assignee of all rights, title and interest to the subject invention and of the above-identified patent application;
- 3. That prior to June 14, 2001, the effective date of the Del Bianco et al. reference (EP 1 107 041 A1) currently applied as prior art to reject Claims 1, 2, 7 and 8 under 35 U.S.C. 102(a) and Claims 3, 5, 9 and 11 under 35 U.S.C. 103(a), we conceived the invention as claimed in said application in this country and further reduced said invention to writing

in this country, as evidenced in drawings attached hereto as Exhibits A1 and A2, which drawings were prepared and completed at our direction and control prior to said effective date of the Del Bianco et al. reference;

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- 4. That on June 13, 2001, prior to the effective date of the Del Bianco reference, at a meeting at Sage offices, we presented a design model of the invention to Patent Counsel, Armand M. Vozzo, Jr., Esquire, U.S. Patent Reg. No. 28,918, for docketing and patent consideration;
- 5. That from mid-June to mid-September 2001, we completed design specifications, and production and assembly drawings of the subject invention, as evidenced in the attached Exhibits B1-B5, all of such work activity being done in this country.
- 6. That during August and September 2001, we procured major design components of the invention, including the required infrared camera, its design housing and visual display, and completed fabrication and production of a working prototype of the invention, as evidenced in the attached Exhibits C1-C5, with all of such work activity being done in this country;
- 7. That on September 25, 2001, we presented and successfully demonstrated a working prototype of the invention at the Redmond Symposium of the International Association of Fire Fighters (IAFF) meeting in Phoenix, Arizona, evidenced by the attached Exhibit D1 representing a photograph of the invention used in a slide presentation associated with the demonstration.
- 8. That based upon our submission of the final design specifications and the production and assembly drawings of the working prototype to said Patent Counsel, the above-identified patent application was completed and filed on December 27, 2001.

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true, and that all statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

JULES OLITA Date

JULES OLITA Date

//10/07

OWEN MEDD Date

//10/2007

WESTEY SHERIDAN Date

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendment, PO BOX 1450, Alexandria, VA 22313-1450,

Date: /-/2-07

ARMAND M. VOZZOJJK., ESQUIRE

Attorney of Record

EXHIBIT A1

EXHIBIT A2

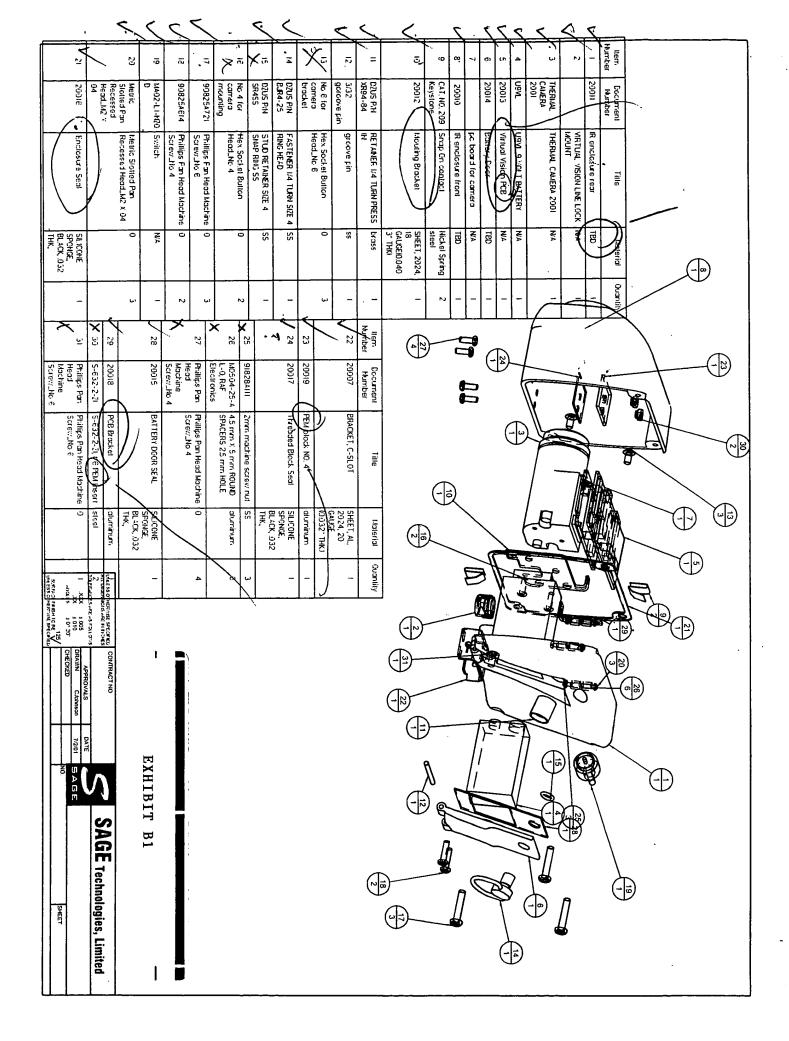
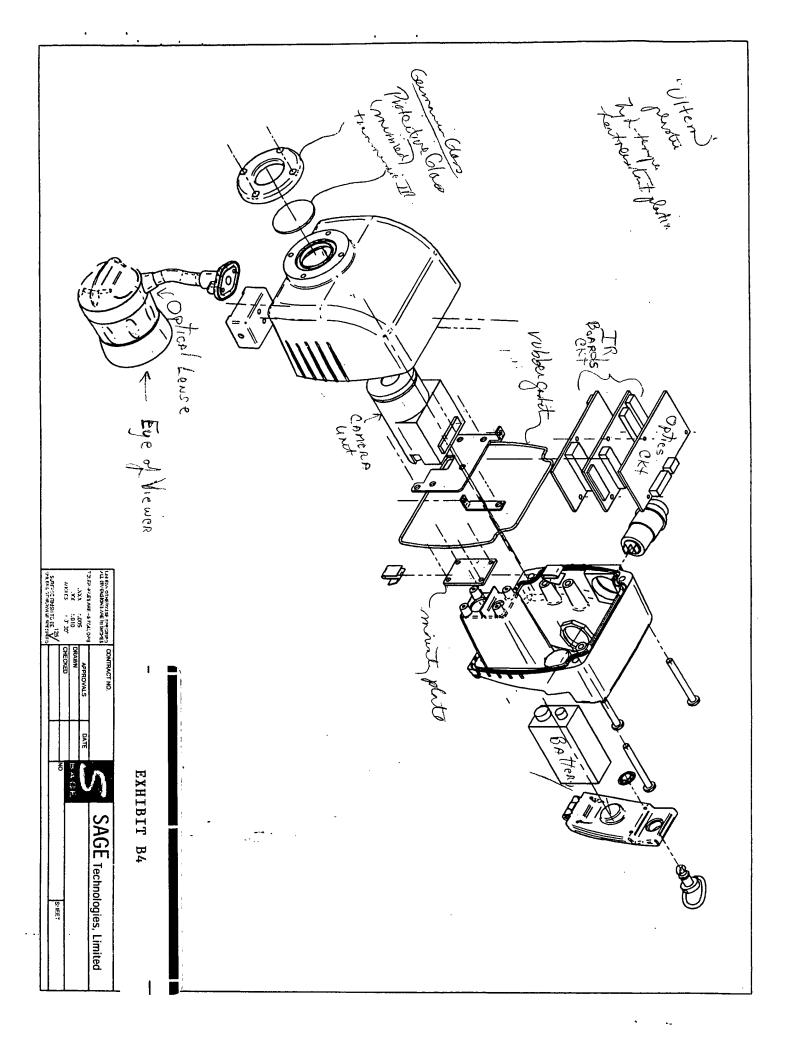


EXHIBIT B2

EXHIBIT B3

1



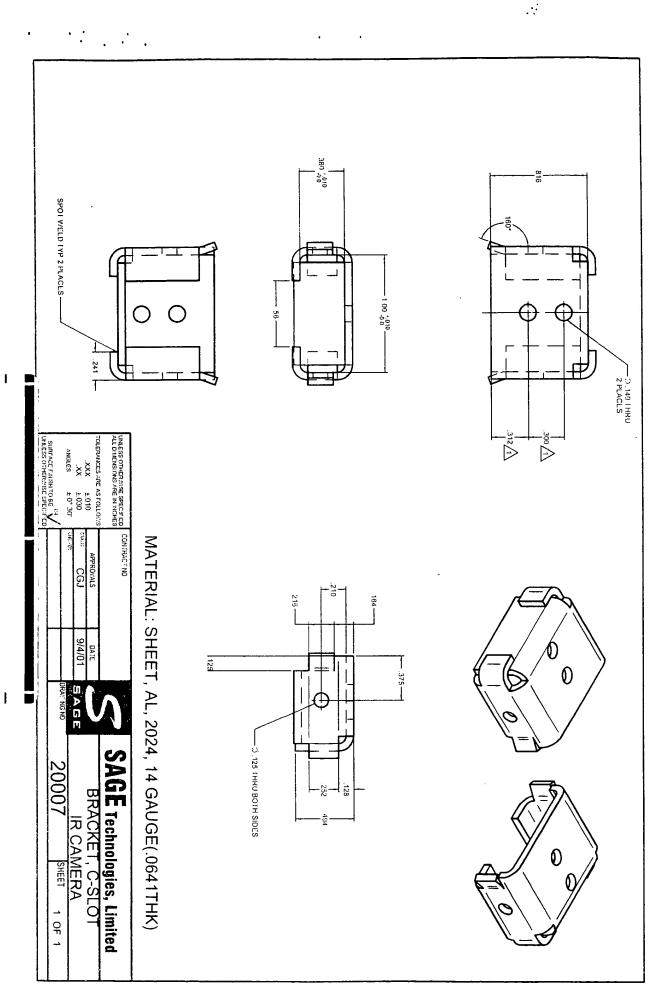


EXHIBIT B5

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SUITE 2500 M	PECHNOLOGIES, LTD 502 IARYLAND ROAD GROVE, PA 1909								
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DELAWARE VALLEY INDUSTRIAL RESOURCE CENTER



An Affiliate of the NST Manufacturing Extension Partnership

INVOICE

INVOICE NO:

14379

Sage Technologies LTD. 2500 Maryland Road Suite 502

Willow Grove, PA 19090

Attention: Julius Olita

DATE:

8/30/01

			Upon Receip
Quantity	Description of Service	Unit Price	Amount
	Project # 9952068		
	New Housing Design		
	For Engineering and Design Support	\$	
	For Material	17270,00	\$
		SUBTOTAL	\$ 0,210
		SALES TAX	
		SHIPPING	
		TOTAL DUE	\$

MAKE CHECKS PAYABLE TO: Delaware Valley Industrial Resource Center

PLEASE INCLUDE THE INVOICE NUMBER ON YOUR REMITTANCE

Invoice No.

14379

EXHIBIT C2





. Virtual Vision, Inc. 7659 178th Place Northeast Redmond, WA 98052 phone 206, 882,7878 fax 206. 882.7373

Invoice No: 0100038 Invoice Date: 08/20/01

INVOICE

Customer No:

SAG0500

Customer Ph:

215/658-0500

"Customer Contact:

Owen Medd

Bill To: Sage Technologies, Ltd.

Ship To: Same

Suite 502

2500 Maryland Road

Willow Grove, PA 19090

Terms: Net 30

Order #: PO # 1264

Project Manager: D. Soward

Total

Shipped

Ordered Shipped This on PO

Unit Price Extended

Invoice

Version 4 Interim Fire Fighter Helmet

Display System

NRE Development Cost

12 Prototype units

Sales Total:

Sales Tax:

Shipping & Handling:

Other Charges:

0.00

0.00

Please make checks payable to Virtual Vision, Inc.

SAGE TECHNOLOGIES, LTD

MONTHLY PROGRESS REPORT AUGUST 2001

CONTRACT NO.: 4400026685 DATE: September 5, 2001

To: Science Application International Corporation

Attn: Jessica Dillon P.O. Box 492

Ft. Belvoir, VA 22060

From: Sage Technologies, Ltd.

2500 Maryland Road

Suite 502

Willow Grove, PA 19090

Report Period of Performance:

1 August 2001 through 31 August 2001

1. TASK AREAS

- Completed housing fabrication for Helmet Mounted Thermal Imaging Systems. Urethane housings are available for HMTI integration and unit evaluation.
- One Raytheon camera delivered for first unit implementation. One additional loaner delivered that is suitable only for integration validation.
- Two OLED displays delivered for the HMTI implementation. One of the displays has been integrated into the HMTI.
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- A High Com Positifilit system, was implemented and a position of the limit levis less
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2. TRAVEL ACTIVITY

- 8/18-8/21 meeting with Virtual Vision to review, accept and integrate OLED display for helmet mounted system.
- 8/23-8/26 attend and participate in the Fire Rescue International Conference.

3. POTENTIAL/PROBLEM AREAS

- Availability of the Raytheon cameras in the helmet mount configuration continues to be a concern. At issue is the delivery of the updated printed circuit boards that are still anticipated the end of September.
- A continuation of the unknown status of EVO2 also up constraining

4. MATERIAL PURCHASES

Ongoing:

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DVIRC design and modeling support for the Helmet Mounted TI System.

New:

Raytheon contract to provide prototype TIC(20)

SAGE TECHNOLOGIES, LTD

MONTHLY PROGRESS REPORT SEPTEMBER 2001

CONTRACT NO.: 4400026685 **DATE:** October 2, 2001

To: Science Application International Corporation

Attn: Jessica Dillon

P.O. Box 492

Ft. Belvoir, VA 22060

From: Sage Technologies, Ltd.

2500 Maryland Road

Suite 502

Willow Grove, PA 19090

Report Period of Performance:

1 September 2001 through 30 September 2001

1. TASK AREAS

- Completed fabrication of two Helmet Mounted Thermal Imaging Systems. Systems being used for presentation/demonstration, and initial T&E purposes.
- Received additional TIC's from Raytheon the end of the month with updated PCB's.
 Also received additional display units from Virtual Vision. Anticipate fabrication and assembly of deliverable unit to the Army by mid October.
- Received evaluation protective lenses for mounting in front of the TIC. Anticipate device selection during the next reporting period.
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- Property of the second second

2. TRAVEL ACTIVITY

• 9/22-9/25 - attend and participate in IAFF meeting in Phoenix, AZ. Present and demo Helmet Mounted Thermal Imaging System.

3. POTENTIAL/PROBLEM AREAS

A continuation of the second religion of EVOO plus up constraining

4. MATERIAL PURCHASES

Ongoing:

Virtual*Vision contract to provide displays for Helmet Mounted TI System.

DVIRC design and modeling support for the Helmet Mounted TI System.

contract to provide avalety a TIG(00)